packet payload has been scrambled.

The adaptation_field_control field is data of 2 bits for indicating that an adaptation field and/or payload is placed at the packet header of this transport stream. Specifically, if only payload data is placed at the packet header, the adaptation_field_control field is "01"; if only an adaptation field is placed at the packet header, the adaptation_field_control field is "10"; if both an adaptation field and a payload are placed at the packet header, the adaptation_field_control field is "11".

The continuity_counter field is data for indicating whether continuously transmitted packets with the same PID are partially absent or discarded during the transmission. Specifically, the continuity_counter field is a field of 4 bits to be incremented each time a transport stream packet with the same PID is transmitted. However, it should be appreciated that this continuity_counter is counted only when an adaptation field is placed at the packet header.

The adaptation_field is a field for inserting additional information on separate streams or stuffing bytes as an option. By using this adaptation field, every information on dynamic state transitions of separate streams can be transmitted together with data.

The adaptation_field consists of the following fields: adaptation_field_length, discontinuity_counter,